Work Order ID 107549 September-27-13 12:47:53 PM				*107				Page 1			
Item ID: Revision ID:	D4021-5			Accept	*N900	040	100) *	Setup Sta	art *N	S1*
Item Name:	Blanking Plat	e							St	op *N	S2*
Start Date: Required Date: Reference:	10/02/13 10/02/13	Start Qty: 4.00 Req'd Qty: 4.00	* <u>A</u> * * <u>4</u> *	*8*	Cust Item l Customer:	ID:					
Approvals:	Process Pla	an: ML5	Date: /3-/0-(O \ Tooling:	D	ate:		1	Run Sta	art *N	R1*
			•			ate:			St	^{ор} *N	R2*
Sequence ID/ Work Center II)	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Rev	vision Nbr					,				
D4021	В										
100				0.00	MAX 1 - 2007707/48 (ALL 1880778 / ALL 2018 MAX 1	444		_			
100 Waterjet FLOW CNC Waterje 304.063		Prog Rev:	dwg D4021	0.00				8	<u> </u>		Au 13.11.07
3011003		Dwg Rev	-								
110		QC2- Inspect parts off	machine FAI/FAIB	0.00			-	Œ	٨		1
*11 0 *		Memo	-	0.00				8			Ale 2 11 5

Quality Control

											DQA:	Date	::
NCR: Y	'es	/ No				WORK ORDER NON-	COI	NFORN	ANCE / UP	DATE			
											QA Closed:	Date	:
Work Orde	· · · · ·					DISPOSITION				AGAINST DE	PARTMENT,	/PROCESS	
WOIK OIGE	-					Rework	7		Skid-tube	Crosstube		Water Jet	Engineering
Part N	۱o.					Scrap	┪	1	Machining	Small Fab	Pro	d. Eng. Coor.	Quality
	•					Use-as-is			noforming	Finishing	Rec/Sto	re/Packaging	Other
NCR N	No.					Work Order Update	ָן		Large Fab	Composite		Supplier	
Root		***			Descri	ption of work order update		Initial	Ac	tion	Sign &		
Cause	\Box	Date	Step	Qty	(or Non-conformance	Cr	nief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data													
Equip/Tooling													
Operator	Ш										l 		
Material	Щ												
Setup			į.				ł						
Other	Ш												
Process	Ш						1						
Supplier	Ш				ļ				-				
Training				ļ									
Unapproved													
							FAU	LT CATE	GORY				
Landi	ng (Gear				General		-		_	7	_	_
	$ldsymbol{ldsymbol{ldsymbol{ldsymbol{ld}}}$	Bending				Bend	L	Grain			Ovalized	<u> </u>	Pressure/Forced
		Centre N	ot Conce	ntric to	o/s	BOM/Route	L	Hardwa	re		Over/Under	-	Temperature/Cure
		Cracks				Broken/Damaged	L	Inspecti	ion Incomplete		Part Incorre	ct	Weld
		Crushed/	'Crimped			Burrs	L	Instruct	ions Incomplete/	'Unclear	Part Lost/M		Wrong Stock Pulled
		Cuffs				Contamination	L	Mainte	enance	<u></u>	Part Moved		
		Heat Tre	at			Countersink		Mislabe	eled		Positioned \		-
		Inspectio	n Strip ir	Tube		Cut Too Short		Misread	d		Power Loss/	Surge	Other
		Ripples i	n Bend			Drill Holes		Offset					

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

Folio

Work Orde September-27-1.				*	10754	19 *							Page 2
Item ID: Revision ID: Item Name:	D4021-5 Blanking Plate	3		Accept	*	1 900	040	100)*	Setup	Start Stop	1 73	S1*
Start Date: Required Date: Reference:	10/02/13	Start Qty: 4.00 Req'd Qty: 4.00	·	*4* *4*		Cust Item I Customer:	D:					I VI	
Approvals:	Process Pla	ın:	Date:	Tooling	:	D:	ate:	_		Run	Start	*N	R1*
	QC:		Date:_	SPC (Y	/N):	D	ate:				Stop	*N	R2*
Sequence ID/ Work Center II	D	Operation Description		Set U Run	Jp/ Hours	Tool ID	Tool #	Plan Code	Accept Qty	Re Qt		Reject Number	Insp. Stamp
*120 *120* QC Quality Control		QC8- Inspect parts - seco	ond check	0.00	DAS 27 9-89 3 11)			8				·
130 *120* Powdercoat Powder Coating		White Gloss(Ref.4.3.5.2)	per OSIDOS STAL	4.3-Steel 1:00 0.00 1.7: 1:00 0.00 3.4: 1:30 -					8 (6_	<u> 13-1</u> 1	r 7.	DAS 34 9-89

DAS 27 9-89

0.00 B 11 07

0.00

QC3- Inspect Part Finish

Memo

135

Quality Control

	;								DQA:	Date:	
NCR: Y	es / No				WORK ORDER NON-C	ONFO	RMANCE / L	JPDATE	QA Closed:	Date:	
Work Orde	ar:				DISPOSITION			AGAINST DE	PARTMENT	/PROCESS	***
Part N	lo				Rework Scrap Use-as-is Work Order Update	The	Skid-tube Machining ermoforming Large Fab	Crosstube Small Fab Finishing Composite	4	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root			1	Descri	ption of work order update	Initia		Action	Sign &		
Cause	Date	Step	Qty	,	or Non-conformance	Chief E	ng De	escription	Date	Verification	QC Inspector
Doc/Data											
Equip/Tooling											
Operator											
Material											,
Setup						1					•
Other									1		
Process	;										
Supplier											
Training		1									
Unapproved			<u> </u>						<u> </u>	1	
					F	AULT CA	TEGORY				
Landi	ng Gear				General			_	_		•
	Bendin	3			Bend	Grai	n		Ovalized		Pressure/Forced
	Centre	Not Conce	ntric to	o/s	BOM/Route	Hard	ware		Over/Under	tolerance	Temperature/Cure
	Cracks				Broken/Damaged	Insp	ection Incomplete	e	Part Incorre	ct	Weld
	Crushe	d/Crimped	l		Burrs	Instr	uctions Incomple	te/Unclear	Part Lost/M	issing	Wrong Stock Pulled
	Cuffs				Contamination	Mai	ntenance		Part Moved		
l	Heat Tr	Cuffs Heat Treat			Countersink	Misi	abeled		Positioned \	N rong	

Misread

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

Power Loss/Surge

Other

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish

Folio

107549

Page 3

September-27-13	3 12:4/:53 1	РМ 									
Item ID:	D4021-5			Accept	*N900	040	100)* s	etup Sta	rt *NS	S1 *
Revision ID:	Diambin a Dia	.							Sto	P *NS	` ^*
Item Name:	Blanking Pla	ic								177.	
Start Date:	10/02/13	Start Qty: 4.00	*4*		Cust Item I	D:					
Required Date:	10/02/13	Req'd Qty: 4.00	*4*		Customer:						
Reference:			-				_	•		.4	
Approvals:	Process Pl	an:	Date:	Tooling:	Da	ate:		K	tun Sta	"1/11	₹1*
	QC:		Date:	SPC (Y/N):	Da	ate:			Sto	^{'P} *NF	₹2*
Sequence ID/ Work Center II	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140		Identify as per dwg & St	ock Location: 5708	3 0.00					540		
140								81	DAS _28	13-11-8	
Packaging		Memo		0.00					9-89		
Packaging											
150		QC21- Final Inspection	- Work Order Release	0.00				. ^			
150		• •	•					Lot	[D/ L	8-11-11	
QC		Memo		0.00				4/1/			
Quality Control	· ·							07		8-11-11 MV 13	1-11

	DQA:	Date:	
 MADE ORDER MON CONFORMANCE / LIDDATE			

WORK ORDER NON-CONFORMANCE / UPDATE

									· · · · · · · · · · · · · · · · · · ·		QA Closed:	Dat	e:
Work Orde	. ن					DISPOSITION				AGAINST DE	PARTMENT	PROCESS	
WOIK OIGE	'			J-10-4		Rework	1		Skid-tube	Crosstube	1	Water Jet	Engineering
Part N	lo.					Scrap	1		Machining	Small Fab	Pro	d. Eng. Coor.	Quality
						Use-as-is	1		noforming	Finishing	-1	e/Packaging	Other
NCR N	lo.					Work Order Update	1		Large Fab	Composite	1	Supplier	
Root					Descri	ption of work order update	1	itial	A	ction	Sign &		
Cause		Date	Step	Qty	(or Non-conformance	Chi	ef Eng	Des	cription	Date	Verification	QC Inspector
Doc/Data	_	1											
Equip/Tooling	_												
Operator													
Material	_												
Setup	_							•					
Other	_						1				1		
Process													
Supplier	_					•	1						
Training													
Unapproved							<u> </u>						
						 	AUL	CATE	GORY				
Landii					_	General				_	.	F	□
	_	ending			<u> </u>	Bend	\vdash	Grain		<u> </u>	Ovalized		Pressure/Forced
:	-		t Concer	ntric to	o/s	BOM/Route	-	Hardwa			Over/Under	ŀ	Temperature/Cure
		acks			<u> </u>	Broken/Damaged	\vdash	•	ion Incomplete	_	Part Incorre		Weld
	\vdash	ushed/0	Crimped			Burrs	-		ions Incomplete	/Unclear	Part Lost/M	ssing	Wrong Stock Pulled
	\vdash	ıffs			L	Contamination	\vdash	Mainte		L	Part Moved		
		eat Trea				Countersink	\mathbf{H}	Mislabe		<u> </u>	Positioned V		
	_		n Strip in	Tube		Cut Too Short	\vdash	Misread	i	L	Power Loss/	Surge	Other
		pples in				Drill Holes	Offset						
	lacksquare	•	aves in E		n	Drawing	\vdash		Calibration				
	—	_	equence			Finish	Out of Sequence						
Į.	1 Isa	Jave/Tw	ist in Tuk	26	l.	IFolio	1						

Picklist Print

September-27-13 12:47:52 PM

Work Order ID:

107549

Parent Item:

D4021-5

Parent Item Name:

Blanking Plate

Start Date: 10/02/13

Required Date: 10/02/13

Page 1

Start Qty: 4.00

Required Qty: 4.00

Comments:

IPP RevA: new issue DD 09.11.25 verified by:EC

25 verified by:EC IPP Rev:B as per dwg REV.A DD

10.02.22 verified by:EC IPP Rev:C as per dwg revB DD 10.04.20 verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304S16GA		Purchased	No			100	sf	533.8940	0.0622	0.2618948	1	2	. 11
304/316 Sheet .063											/ \	~ \(\)	1110
				Location		Loc Qty	<u>Lo</u>	oc Code					
				MAT020		533.8939998							
				12313	36	140.2							
				M126	159	35							
				M126	915	358.694			12	6715		プと	7

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NCR: Y	es / N	lo ·				WORK ORDER NON-	CON	VFORM	MANCE / UPI	DATE				
											QA Closed:	Da	te:	
Work Orde	r·					DISPOSITION				AGAINST DE	PARTMENT	PROCESS		
WOIK OIGE	·· —					Rework	1		Skid-tube	Crosstube	1	Water Jet	ΠE	ngineering
Part N	0.					Scrap	1		Machining	Small Fab	Pro	d. Eng. Coor.		Quality
						Use-as-is		Thern	noforming	Finishing	Rec/Stor	e/Packaging		Other
NCR N	o		<u> </u>			Work Order Update]		Large Fab	Composite		Supplier		
Root					Descri	ption of work order update		nitial	· Act	tion	Sign &			
Cause	Da	te S	tep	Qty	(or Non-conformance	Ch	ief Eng	Descr	ription	Date	Verificatio	n	QC Inspector
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Equip/Tooling			- [1			
Operator			ł				'							
Material			l				1							
Setup														
Other	_						1							
Process			ŀ											
Supplier		ļ					1				1			
Training			:											
Unapproved						<u> </u>			<u></u>		<u> </u>		i	
							AUL	T CATE	GORY					
Landi	ng Gear				_	General		7			-1			
	Bend	•			<u> </u>	Bend		Grain		<u> </u>	Ovalized	_	—	essure/Forced
	Cent	re Not C	Concen	itric to	D/S	BOM/Route	\perp	Hardwa		<u> </u>	Over/Under		_	mperature/Cure
	Cracl				<u> </u>	Broken/Damaged	<u> </u>	4 '	ion incomplete	_	Part Incorre		∐ ^{w∈}	
	_	ned/Crir	mped		<u> </u>	Burrs	L	1	tions Incomplete/	Unclear	Part Lost/Mi	ssing	∐Wr	ong Stock Pulled
	Cuffs				<u> </u>	Contamination	\vdash	Mainte		. -	Part Moved			
	_	Treat				Countersink	<u></u>	Mislabe		<u> </u>	Positioned V	•		
		ection S1		Tube		Cut Too Short	_	Misrea	d		Power Loss/	Surge	Otl	her
	Ripp	les in Be	end		L	Drill Holes	\perp	Offset						
	Torq	ue Wav	es in E	xtrusio	n	Drawing	1	Out of	Calibration					

Out of Sequence

Outside Dimensions

DQA:

Date:

Turning Sequence

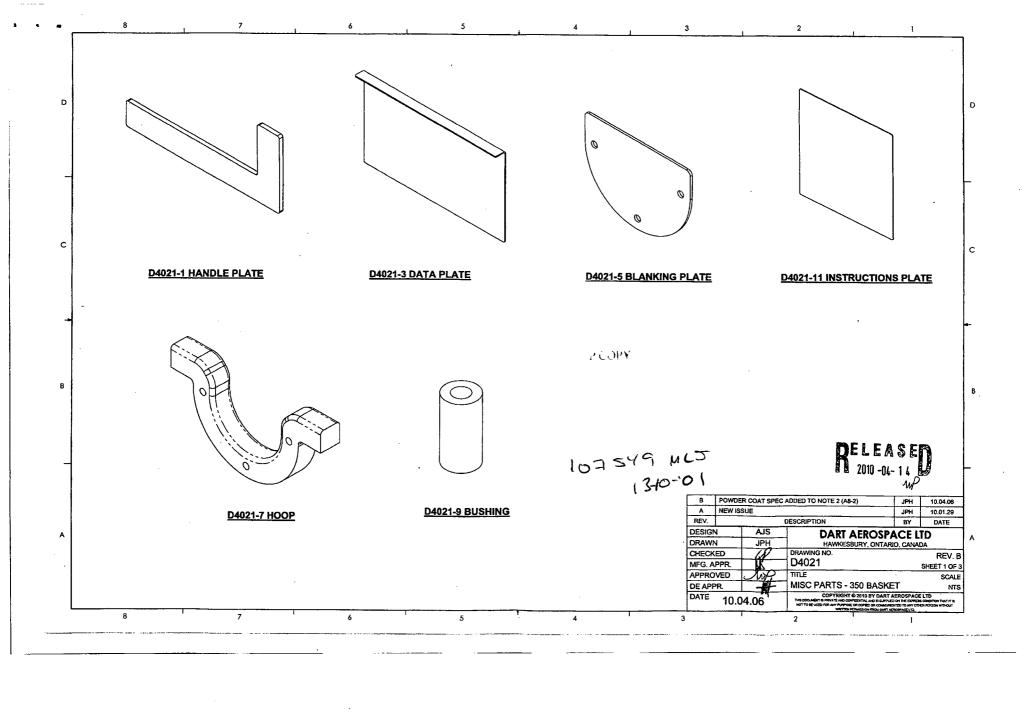
Wave/Twist in Tube

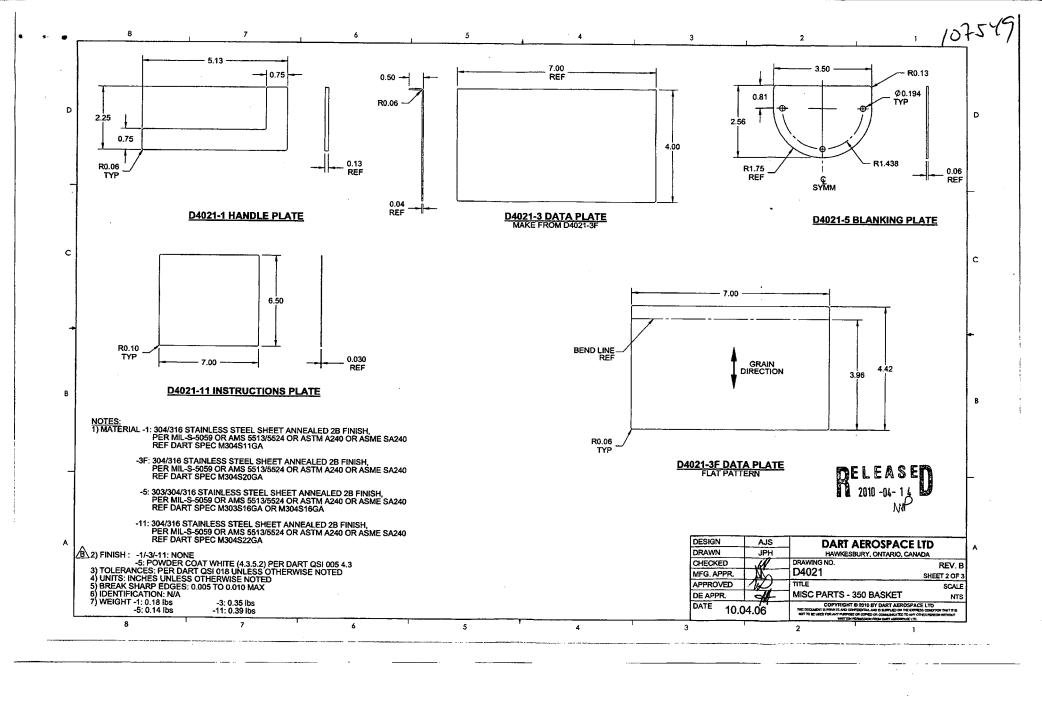
Finish

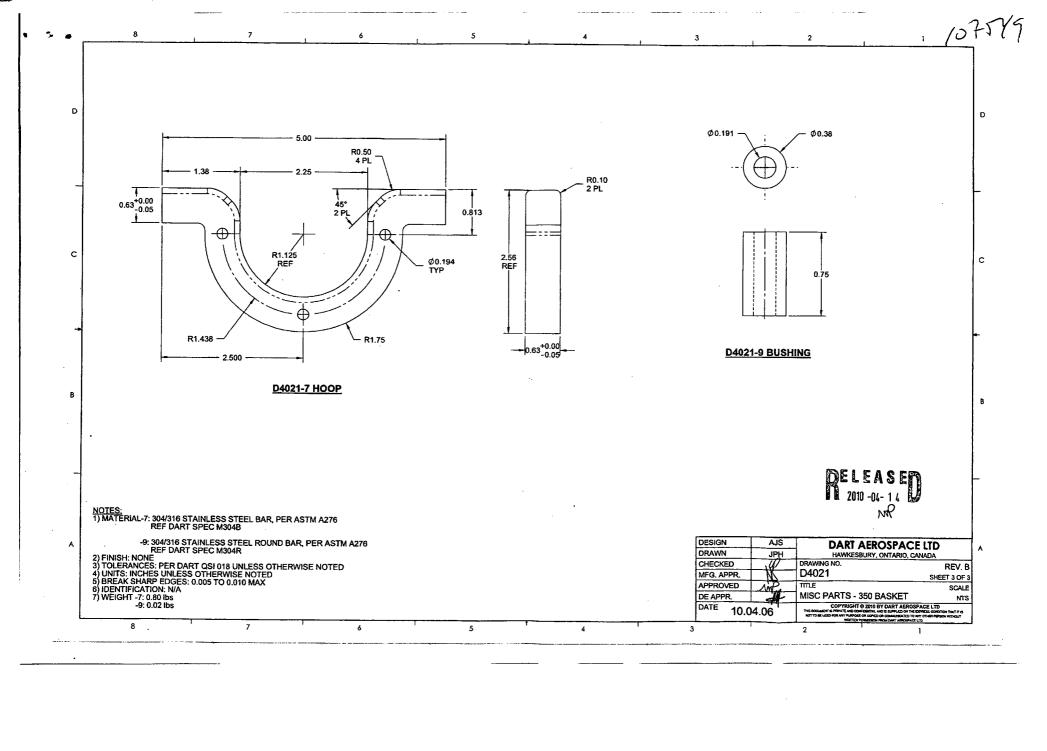
Folio

DART AEROSPACE LTD	Work Order:	107549
Description: Blanking Plate	Part Number:	D4021-5
Inspection Dwg: D4021 Rev: B		Page 1 of 1

	FIRST	ARTICLE IN	SPECTION	ON CHE	CKLIST	
	X	First Artic	le _	Proto	otype	
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method Inspection	of Comments
Ø0.194	+0.005/-0.001	.194			V	IKa-11
3.50	+/-0.030	3,50			V	
2.56	+/-0.030	2.56			V	
0.81	+/-0.030	181	_		v	
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			DAS	L	<u> </u>	
Measured by:	Re	Audited by:	27 9-89		Prelimina	ry Approval:
Date: /	3.11.07	Date:	13 11-	7		Date:
Rev Date	Change				R	evised by Approve
A 10.04.20	New Issue				K	1 90 1







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